

# Tao Wang

## List of Publications by Year in descending order

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16  
papers

743  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microenvironment mapping via Dexter energy transfer on immune cells. <i>Science</i> , 2020, 367, 1091-1097.	12.6	188
2	Hexadehydro-Diels-Alder (HDDA)-Enabled Carbazolyne Chemistry: Single Step, de Novo Construction of the Pyranocarbazole Core of Alkaloids of the <i>Murraya koenigii</i> (Curry Tree) Family. <i>Journal of the American Chemical Society</i> , 2016, 138, 13870-13873.	13.7	100
3	Mechanism of the Reactions of Alcohols with <i>o</i> -Benzynes. <i>Journal of the American Chemical Society</i> , 2014, 136, 13657-13665.	13.7	61
4	The Hexadehydro-Diels-Alder Cycloisomerization Reaction Proceeds by a Stepwise Mechanism. <i>Journal of the American Chemical Society</i> , 2016, 138, 7832-7835.	13.7	58
5	Total Synthesis of (+)-Asteriscanolide: Further Exploration of the Rhodium(I)-Catalyzed [(5+2)+1] Reaction of Ene-Vinylcyclopropanes and CO. <i>Chemistry - an Asian Journal</i> , 2012, 7, 593-604.	3.3	51
6	Dichlorination of (Hexadehydro-Diels-Alder Generated) Benzyne and a Protocol for Interrogating the Kinetic Order of Bimolecular Aryne Trapping Reactions. <i>Organic Letters</i> , 2014, 16, 254-257.	4.6	43
7	Density Functional Theory Study of the Mechanism and Origins of Stereoselectivity in the Asymmetric Simmons-Smith Cyclopropanation with Charetté Chiral Dioxaborolane Ligand. <i>Journal of the American Chemical Society</i> , 2011, 133, 9343-9353.	13.7	42
8	Diels-Alderase-free, bis-pericyclic, [4+2] dimerization in the biosynthesis of (±)-paracaseolide A. <i>Nature Chemistry</i> , 2015, 7, 641-645.	13.6	42
9	Tactics for probing aryne reactivity: mechanistic studies of silicon-oxygen bond cleavage during the trapping of (HDDA-generated) benzyne by silyl ethers. <i>Chemical Science</i> , 2014, 5, 545-550.	7.4	40
10	Intramolecular [4 + 2] Trapping of a Hexadehydro-Diels-Alder (HDDA) Benzyne by Tethered Arenes. <i>Organic Letters</i> , 2015, 17, 856-859.	4.6	36
11	Diverse Catalytic Reactions for the Stereoselective Synthesis of Cyclic Dinucleotide MK-1454. <i>Journal of the American Chemical Society</i> , 2022, 144, 5855-5863.	13.7	30
12	Manufacturing Process Development for Belzutifan, Part 5: A Streamlined Fluorination-Dynamic Kinetic Resolution Process. <i>Organic Process Research and Development</i> , 2022, 26, 543-550.	2.7	24
13	Manufacturing Process Development for Belzutifan, Part 3: Completing a Streamlined Through-Process with a Safe and Scalable Oxidation. <i>Organic Process Research and Development</i> , 2022, 26, 525-532.	2.7	16
14	Trapping of Hexadehydro-Diels-Alder Benzyne with Exocyclic, Conjugated Enals as a Route to Fused Spirocyclic Benzopyran Motifs. <i>Synlett</i> , 2017, 28, 2933-2935.	1.8	7
15	Cu <sup>I</sup> -Mediated Bromoalkynylation and Hydroalkynylation Reactions of Unsymmetrical Benzyne: Complementary Modes of Addition. <i>Angewandte Chemie</i> , 2018, 130, 16802-16806.	2.0	4
16	An Investigation into the Unexpected Corrosion of Nickel Alloy Vessels with Selectfluor. <i>Organic Process Research and Development</i> , 2022, 26, 159-164.	2.7	1